



REPRESENTATIVE IMAGE

Product: [88778](#)

Audio, Control & Instrument, #22-6pr, FEP, Individ. Foil, FEP Jkt, CMP

Product Description

Audio, Control & Instrument Cable, 22 AWG stranded (7x30) tinned copper conductor, FEP insulation, twisted pairs individually shielded with Beldfoil® (100% coverage), overall jacket per table below, 22 AWG stranded tinned copper drain wire.

Technical Specifications

Product Overview

| | |
|------------------------|---|
| Suitable Applications: | extreme high/low temperature environments; chemical resistant; outdoor and burial applications; low voltage analog signals (4-20ma, 0-10v, ...); low voltage digital control (24v, ...); line level audio; voice communications; panel wiring |
|------------------------|---|

Construction Details

Conductor

| Element | Number of Element | AWG | Stranding | Material |
|---------|-------------------|-----|-----------|--------------------|
| Pair(s) | 6 | 22 | 7x30 | TC - Tinned Copper |

Insulation

| Element | Material | Thickness [in.] | Color Code |
|---------|--------------------------------------|-----------------|--|
| Pair(s) | FEP - Fluorinated Ethylene Propylene | 0.010 | Black & Red, Black & White, Black & Green, Black & Blue, Black & Yellow, Black & Brown |

Inner Shield Material

| Element | Shield Type | Material | Coverage | Drainwire Type | Notes |
|---------|-------------|-------------------------|----------|-------------------|-----------|
| Pair(s) | Tape | Bi-Laminate (Alum+Poly) | 100% | 22 AWG (19x34) TC | each pair |

Outer Jacket Material

| Material | Thickness | Nom. Diameter |
|--------------------------------------|-----------|---------------|
| FEP - Fluorinated Ethylene Propylene | 0.014 in | 0.309 in |

Cable Diameter (Nominal): 0.309 in

Electrical Characteristics

Electricals

| Element | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Characteristic Impedence | Nom. Velocity of Prop. | Max. Current |
|---------|-------------------------------|---|--------------------------|------------------------|---------------------------------|
| Pair(s) | 31 pF/ft | 67 pF/ft | 50 Ohm | 69% | 1.96 Amps per Conductor at 25°C |

Voltage

| |
|--------------------------|
| UL Voltage Rating |
| 300 V (CMG) |

Mechanical Characteristics

Temperature

| UL Rating | Operating |
|-----------|-----------------|
| 150°C | -70°C to +200°C |

Bend Radius

| | |
|------------------------|--------------------------|
| Stationary Min. | Installation Min. |
|------------------------|--------------------------|

| | |
|---------|--------|
| 3.25 in | 3.1 in |
|---------|--------|

| | |
|--------------------|---------------|
| Max. Pull Tension: | 163 lbs |
| Bulk Cable Weight: | 70 lbs/1000ft |

Standards and Compliance

| | |
|---------------------------------|---|
| Environmental Suitability: | Indoor, Oil Resistance, Burial |
| Sustainability: | CA Prop 65 |
| Flammability / Fire Resistance: | NFPA 262 Plenum Flame Test (UL910), FT6, IEC 60332-1-2 |
| NEC / UL Compliance: | Article 800, CMP |
| CEC / C(UL) Compliance: | CMP |
| CPR Euroclass: | Eca |
| European Directive Compliance: | EU CE Mark, EU Directive 2011/65/EU (ROHS II), EU Directive 2012/19/EU (WEEE) |
| APAC Compliance: | China RoHS II (GB/T 26572-2011) |
| Non-Plenum Number: | 8778 |

Product Notes

| | |
|--------|---|
| Notes: | Teflon® is a registered trademark of E. I. duPont de Nemours and Co. used under license by Belden, Inc. |
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History

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| Update and Revision: | Revision Number: 0.368 Revision Date: 09-30-2020 |
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